

To: Thomas, Deb[thomas.debrah@epa.gov]
From: Card, Joan
Sent: Thur 8/13/2015 8:07:34 PM
Subject: RE: EPA Natural River Filtration System Solution

This is very helpful.

From: Thomas, Deb
Sent: Thursday, August 13, 2015 1:53 PM
To: Card, Joan
Subject: Fwd: EPA Natural River Filtration System Solution

Betsy has been given a central phone # to refer calls from vendors. 970-812-3359. Is there an email box to send vendor emails? Please see Karl Brooks message below.

Begin forwarded message:

From: "Brooks, Karl" <brooks.karl@epa.gov>
To: "Stanislaus, Mathy" <Stanislaus.Mathy@epa.gov>, "Thomas, Deb" <thomas.debrah@epa.gov>
Subject: FW: EPA Natural River Filtration System Solution

Hi Mathy and Deb,

I forward this only because I don't know if R8 and/or OSWER are maintaining a central contact for vendors offering advice/equipment.

Let me know if I should do something different as these come in unsolicited to OARM.

Cheers,
Karl

From: David Wakeen [mailto:dw@southerncat.com]
Sent: Thursday, August 13, 2015 3:43 PM
To: Brooks, Karl
Subject: FW: EPA Natural River Filtration System Solution

Hi Karl,

Please see the \technology to clean the river. Call me for assistance.

From: David Wakeen [mailto:dw@southerncat.com]

Sent: Thursday, August 13, 2015 2:02 PM
To: 'mccarthy.gina@epa.gov'
Subject: EPA Natural River Filtration System Solution

Gina McCarthy
EPA Administrator
Washington, DC

Dear Gina,

So Sorry to hear about the Animas River accident. I would like you to consider the following proposal for river remediation.

In Colorado, the Animas River spill is of great ecological concern and its remediation is being poorly conducted. What needs to immediately occur is to change the river into its own filtrations systems that is simple and immediately implemental to reduce the damage continuing to disturb the river's ecology.

We need to build a sand carbon and gravel filtration system to trap the toxins just below where the toxins are entering the river and at several locations at intervals the length of the river. This new design is based on sand, carbon and gravel filtration system used in households across America.

There are some modifications that need to be adapted to handle flow rates of the river and avoid flooding. My years of experience in aquaculture has demonstrated that this is the most natural and effective filtration available and should be implemented as soon as possible.

A filter of 70' of sand will take virtually 100% of the toxics and pollutants out of the Animas River water. The toxins will be deposited in the sand which can later be removed offsite and further treated and remediated.

I have drawn a simple illustration that should be built immediately. It's simple. The PVC will allow for flowage with the sand charcoal and gravel with provide a graduated filter allowing the river to flow as the water gets cleaned in stages.

If I may be of assistance, which I definitely can, please let me know. Please see the filter design in the attachment. Thank you and good luck.

Best regards and I look forward to hearing from you.

Sincerely,

David Wakeen
525 Richards Avenue
Clearwater, Fl 33755

727 441 2260 hm.
727 415 1574 cel.